

ABSTRACT OF THE DISCLOSURE

A method for manufacturing a cathode comprises the steps of: a process for applying onto a substrate a fluid mixture comprising polymers or precursors to the polymers, fine particles of electroconductive material or organic metal compound, and solvent; a process for removing the solvent by heating the fluid mixture applied on the substrate, thereby obtaining an electroconductive organic film comprising the polymers and the electroconductive material; and a process for forming a gap at a portion of the electroconductive organic film by applying an electrical current thereto. Accordingly, a simple method for manufacturing cathodes, electron sources, and image forming apparatuses with excellent electron emitting properties can be realized.

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